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## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/810,764A

DATE: 03/13/2003

TIME: 13:55:21

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\03132003\I810764A.raw

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5 <110> APPLICANT: Ristic, Zoran
7   Bhadula, Shailendra
9   Yang, Genping
11  Elthon, Thomas
13  Habben, Jeffery
17 <120> TITLE OF INVENTION: Maize Chloroplast Protein Synthesis Elongation Factors and
Methods of Use
18   for Same
22 <130> FILE REFERENCE: P03965US1
26 <140> CURRENT APPLICATION NUMBER: 09/810,764A
28 <141> CURRENT FILING DATE: 2001-03-16
32 <150> PRIOR APPLICATION NUMBER: 60/190,175
34 <151> PRIOR FILING DATE: 2000-03-17
38 <150> PRIOR APPLICATION NUMBER: 60/203,204
40 <151> PRIOR FILING DATE: 2000-05-11
44 <160> NUMBER OF SEQ ID NOS: 6
48 <170> SOFTWARE: PatentIn version 3.1
52 <210> SEQ ID NO: 1
54 <211> LENGTH: 20
56 <212> TYPE: PRT
58 <213> ORGANISM: Zea mays
62 <220> FEATURE:
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66 <222> LOCATION: (2)..(2)
68 <223> OTHER INFORMATION: X is any amino acid
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74 <221> NAME/KEY: MISC_FEATURE
76 <222> LOCATION: (16)..(16)
78 <223> OTHER INFORMATION: X is any amino acid
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      88 Ile Gly His Val
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      94 <211> LENGTH: 20
      96 <212> TYPE: PRT
      98 <213> ORGANISM: Zea mays
      102 <400> SEQUENCE: 2
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      105 1           5           10           15
      108 Leu Thr Glu Ala
      109           20
      112 <210> SEQ ID NO: 3

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118 <213> ORGANISM: Zea mays
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126 <222> LOCATION: (9)..(9)
128 <223> OTHER INFORMATION: X is any amino acid
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135 1 5 10
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148 <220> FEATURE:
150 <221> NAME/KEY: MISC_FEATURE
152 <222> LOCATION: (18)..(18)
154 <223> OTHER INFORMATION: X is any amino acid
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W--> 164 Ile Xaa His Val
165 20
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174 <213> ORGANISM: Zea mays
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184 <223> OTHER INFORMATION: X can be any amino acid
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223 tccaccccccc tgggcttctc cgcgcagcct gcgcggctgc ggagccaggg ggcggcagtg 180
225 ggcgcgcggc ggcgcggggc cctgctggtg gtgcgcgcgc cgaggggcaa gttcgagcgc 240
227 accaaaccac acgtcaacat aggcaccatc ggccatgtcg accacggaaa gaccactctc 300

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229	accgccgcgc	tcacccatggt	gctcgccctcc	gtcgggtggca	gcgcgcctaa	gaagtacgac	360
231	gagatcgacg	ccgcccccca	ggagcgcgcc	cgcgggtatca	ccatcaacac	cgccaccgtc	420
233	gagtacgaga	ccgagaccgc	ccactacgca	cacgtcgact	gccccggcca	cgccgactat	480
235	gtcaagaata	tgatcaccgg	cgctgcgcag	atggacgggtg	ccatcctcgt	cgtatccggt	540
237	gccgacgggc	ccatgccgca	gaccaaagag	cacatcctcc	tcgccaagca	agtcgggtgtt	600
239	cccaagatcg	ttgtcttcct	caacaagaag	gacatggtcg	acgacgagga	gctgctcgag	660
241	ctcgtcgagc	tcgaggtccg	cgagctgctc	agcaactacg	agtacgacgg	cgacgacgta	720
243	ccaatcgtcg	ctggctccgc	cctcaaggcg	ctcgaggctc	tcattggtcaa	ccctgccttg	780
245	aagcgcggcg	acgatgagtg	ggtcgactac	atcttctcgt	tggttgataa	agtggattcc	840
247	tatattccag	tcccgagag	gcagactgac	ctcccgttct	tgctcgctgt	tgaagatgtc	900
249	ttctccatca	ccggtcgtgg	tacagttgcc	actggccgta	tagagcgtgg	caccgtcaag	960
251	attggtgaca	cagtcgatat	cgtcggaatc	cgggacaccc	ggaactgcac	ggtcactggt	1020
253	gttgagatgt	tccagaagac	catggatgat	gccatggccg	gagacaatgt	tgggctgctg	1080
255	ctccgtggta	tgcagaagga	tgacattgaa	agaggcatgg	tgctggcaaa	gcctggctct	1140
257	atcacaccgc	acaccaagtt	tgaggctggt	gtgtatgtgc	ttaagaagga	agaggggtggc	1200
259	cgacactcac	ctttcttccc	tggttaccgc	ccacagttct	acatgcggac	aactgatgtg	1260
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263	ggtgaccgta	tcaaaatgat	tgttcagctc	atccagcctg	ttgcttgtga	gcaggggatg	1380
265	aggtttgcta	tccgtgaggg	tggttaagacc	gttgggtgccg	gtgtcatcaa	caaaatcatt	1440
267	gagtaaaactg	gatataacat	atccaccatg	agaattttcc	ttgtttactc	aaagcgacat	1500
269	gctccgtagt	tgttattatg	tggtgagttt	taggggttgc	tcattgtgcaa	ttgtagtatg	1560
271	acactttttt	tttgtcaagt	gaattttgcat	aatttatgac	attcacgaca	aagattcaca	1620
273	tatctggttg	caactcattt	ggctaagagg	tgccatctac	tgttaaaaaa	aaaaaaaaaa	1680
275	a						1681

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/09/810,764A

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Input Set : A:\PTO.VSK.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 2,16  
Seq#:3; Xaa Pos. 9  
Seq#:4; Xaa Pos. 18  
Seq#:5; Xaa Pos. 17,18

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 17

## VERIFICATION SUMMARY

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Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\03132003\I810764A.raw

L:84 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:164 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16  
L:204 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5 after pos.:16